

# Program Market Demand

Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD

Emsi Q1 2018 Data Set

March 2018

## Ventura County Community College District



4667 Telegraph Road  
Ventura, California 93003  
805.648.8976

# Parameters

## Programs

Code	Description
15.1305	Electrical/Electronics Drafting and Electrical/Electronics CAD/CADD

## Regions

Code	Description
6037	Los Angeles County, CA
6111	Ventura County, CA

## Education Levels

Description
Associate's degree

## Completions Year

2016

## Jobs Timeframe

2017 - 2022

## Job Posting Timeframe

Jan 2012 - Aug 2017

## Program Overview

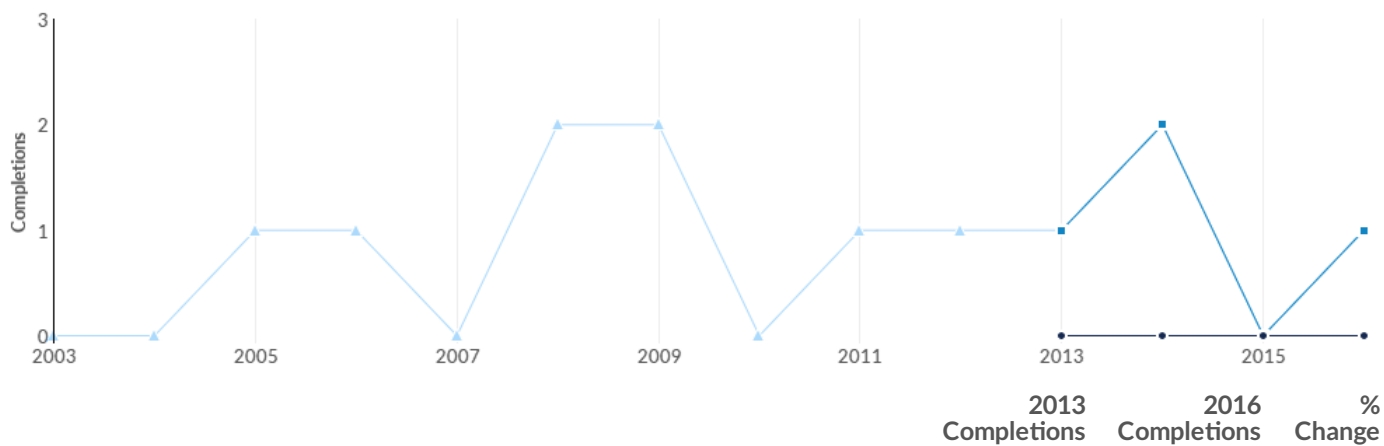


	Completions (2016)	% Completions	Institutions (2016)	% Institutions
● All Programs	1	100%	1	100%
● Distance Offered Programs	0	0%	0	0%
● Non-Distance Offered Programs	1	100%	1	100%

## Regional Completions by Institution

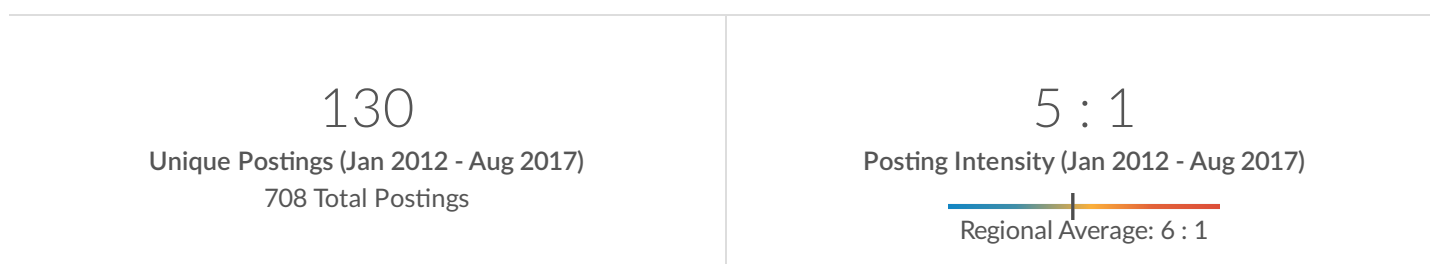
Institution	Associate's Degree Completions (2016)	Growth % YOY (2016)	Market Share (2016)
Glendale Community College	1	Insf. Data	100.0%
Ventura College	0	0.0%	0.0%

## Regional Trends



	2013 Completions	2016 Completions	% Change
● Distance Offered Programs	0	0	0.0%
■ Non-Distance Offered Programs	1	1	0.0%
▲ All Programs	1	1	0.0%

## Job Postings Summary



There were 708 total job postings for your selection from January 2012 to August 2017, of which 130 were unique. These numbers give us a Posting Intensity of 5-to-1, meaning that for every 5 postings there is 1 unique job posting.

This is close to the Posting Intensity for all other occupations and companies in the region (6-to-1), indicating that they are putting average effort toward hiring for this position.

## Target Occupations

















\*Filtered by the proportion of the national workforce in these occupations with an Associate's degree

<p>277</p> <p>Jobs (2017)*</p> <p>13% <i>below</i> National average*</p>	<p>-3.6%</p> <p>% Change (2017-2022)*</p> <p>Nation: +4.8%*</p>	<p>\$31.71/hr</p> <p>Median Hourly Earnings</p> <p>Nation: \$29.08/hr</p>	<p>23</p> <p>Annual Openings*</p>
--	---	---	-----------------------------------





















Occupation	2017 Jobs*	Annual Openings*	Median Hourly Earnings	Growth (2017 - 2022)*	Location Quotient (2017)*
Electrical and Electronics Drafters	277	23	\$31.71/hr	-3.61%	0.87

# Top Companies Posting

Company	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Volt Information Sciences Inc	134 / 23	6 : 1	
Solarcity Corporation	23 / 10	2 : 1	
Hired By Matrix, Inc.	36 / 9	4 : 1	
Kennedy/Jenks Consultants, Inc.	34 / 9	4 : 1	
Superior Group	24 / 7	3 : 1	
Charter Communications, Inc.	16 / 6	3 : 1	
Idealab Inc	15 / 6	3 : 1	
Irvine Technology Corporation	12 / 6	2 : 1	
Sargent & Lundy, L.L.C.	13 / 5	3 : 1	
AppleOne	21 / 4	5 : 1	
Outsource, Inc.	105 / 4	26 : 1	
Prime Wire & Cable, Inc.	126 / 4	32 : 1	
Avacom Technologies	49 / 3	16 : 1	
Consultnet, L.L.C.	6 / 3	2 : 1	
Express Services Inc	14 / 3	5 : 1	
Genova Aerospace Inc	6 / 3	2 : 1	
L-3 Communications Holdings Inc.	8 / 3	3 : 1	
Chipton-Ross, Inc.	5 / 2	3 : 1	
Connect Hearing, Inc.	15 / 2	8 : 1	
Navisite, Inc.	4 / 2	2 : 1	
Skyworks Solutions, Inc.	5 / 2	3 : 1	
Tad Pgs, Inc.	6 / 2	3 : 1	
Ver Inc	5 / 2	3 : 1	
Berg Powers Engineers Inc	3 / 1	3 : 1	

Company	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Collabera Inc.	2 / 1	2 : 1 	
Klein Management Systems, Inc	2 / 1	2 : 1 	
L-3 National Security Solutions, Inc.	6 / 1	6 : 1 	
L3 Technologies	3 / 1	3 : 1 	
Nesco Resource	2 / 1	2 : 1 	
Pacific Technical Search, Inc.	2 / 1	2 : 1 	
Qualitek Services Inc	2 / 1	2 : 1 	
Rheem Manufacturing Company	2 / 1	2 : 1 	

## Top Posted Job Titles

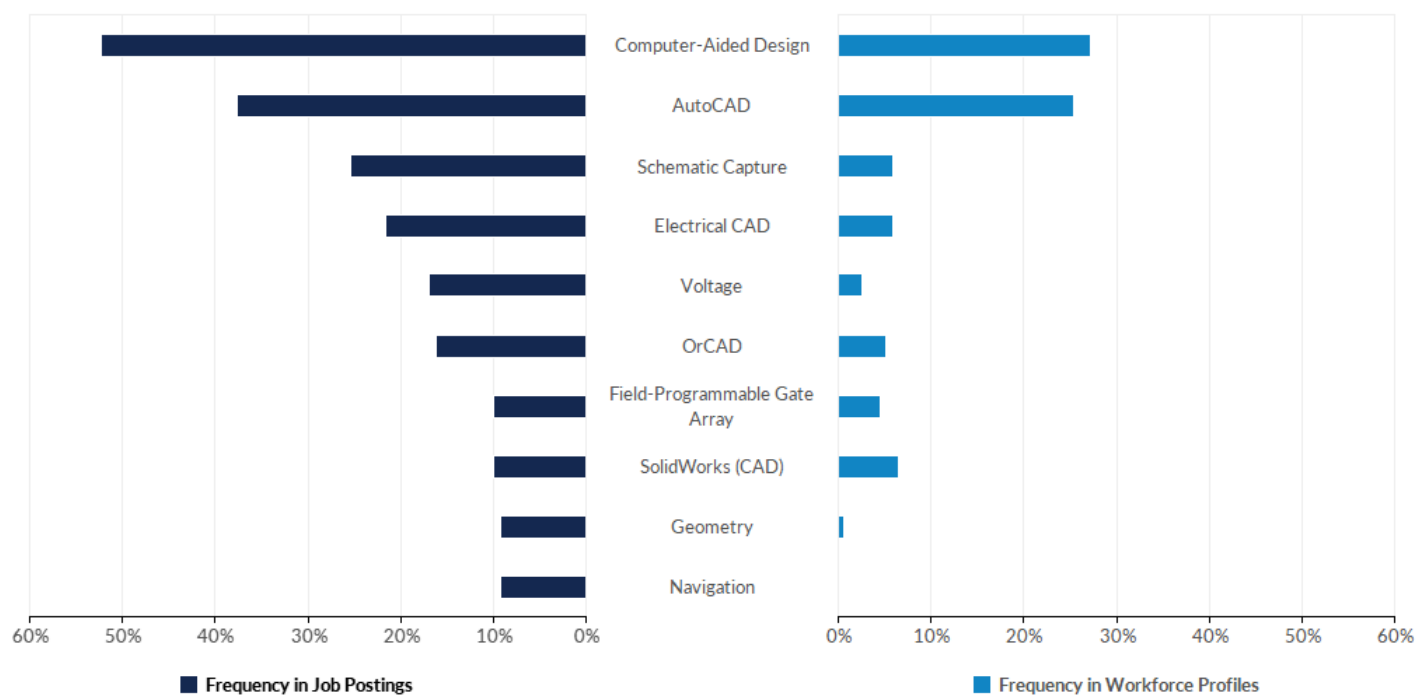
Job Title	Total/Unique (Jan 2012 - Aug 2017)	Posting Intensity	Unique Postings Trend (Jan 2012 - Aug 2017)
Drafters	108 / 39	3 : 1 	
Computer Aided Design (CAD) Designers	180 / 37	5 : 1 	
Design Engineers	320 / 32	10 : 1 	
Designer Drafters	34 / 12	3 : 1 	
Control Specialists	49 / 3	16 : 1 	
Draftspersons	5 / 2	3 : 1 	
Layout Designers	5 / 2	3 : 1 	
CAD Engineers	2 / 1	2 : 1 	
CAD Technicians	3 / 1	3 : 1 	
Power Systems Engineers	2 / 1	2 : 1 	



The following provides insight into the supply and demand of relevant skills by comparing the frequency of skills present in job postings against skills present in today's workforce. Along with Emsi's job posting analytics, this comparison leverages Emsi's dataset of more than 100M online resumés and profiles. All resumés and profiles used in these comparisons have been updated within the last three years.

\*The skills associated with workforce profiles represent workers of all education levels.

## Top Hard Skills



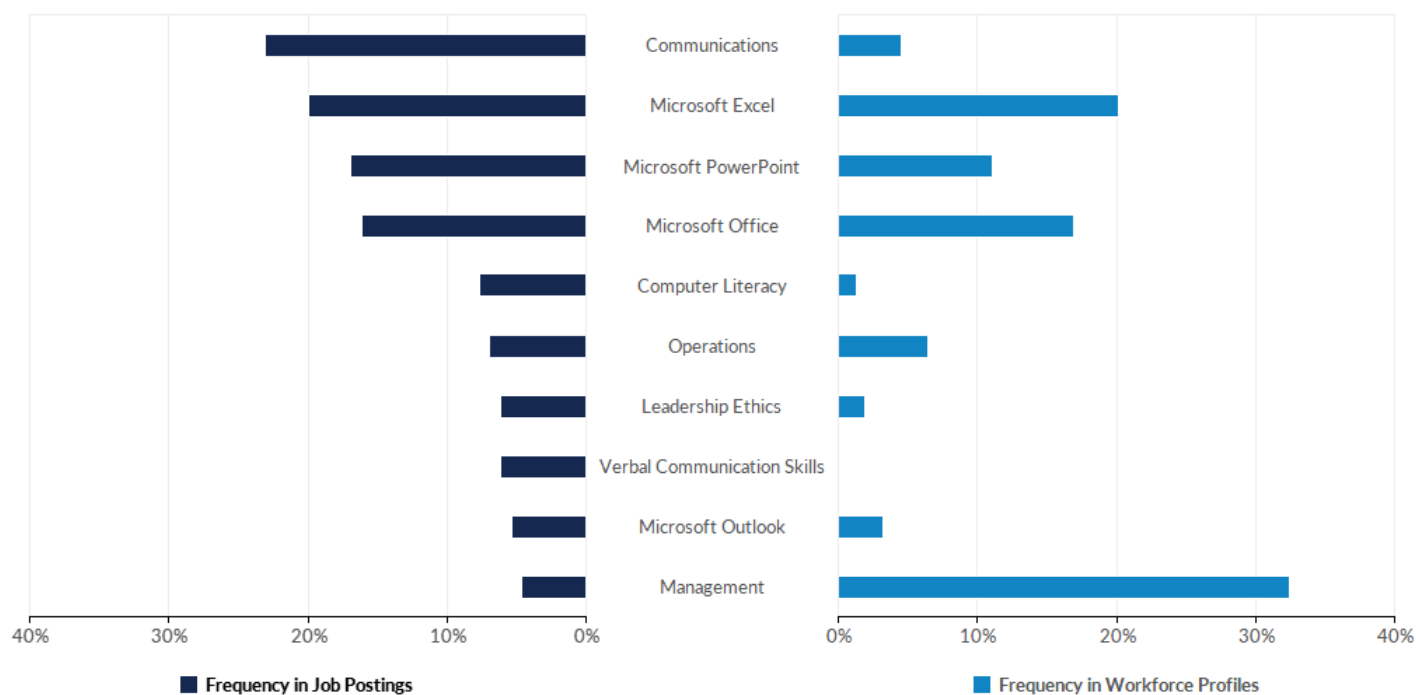
## Top Hard Skills

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Computer-Aided Design	52%	68 / 130	27%	42 / 154
AutoCAD	38%	49 / 130	25%	39 / 154
Schematic Capture	25%	33 / 130	6%	9 / 154
Electrical CAD	22%	28 / 130	6%	9 / 154
Voltage	17%	22 / 130	3%	4 / 154
OrCAD	16%	21 / 130	5%	8 / 154
Field-Programmable Gate Array	10%	13 / 130	5%	7 / 154
SolidWorks (CAD)	10%	13 / 130	6%	10 / 154
Geometry	9%	12 / 130	1%	1 / 154
Navigation	9%	12 / 130	0%	0 / 154
Alarm Devices	8%	11 / 130	2%	3 / 154

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Electrical Wirings	8%	11 / 130	5%	7 / 154
Fire Alarm Systems	8%	11 / 130	2%	3 / 154
Security Systems	8%	11 / 130	1%	1 / 154
Circuit Design	8%	10 / 130	7%	11 / 154
Sound Systems	8%	10 / 130	1%	1 / 154
Wiring Diagram	8%	10 / 130	2%	3 / 154
Accounting	7%	9 / 130	3%	4 / 154
Interconnection	7%	9 / 130	0%	0 / 154
Product Quality Assurance	7%	9 / 130	1%	2 / 154
Prototype (Manufacturing)	7%	9 / 130	5%	8 / 154
Smoke Detector	7%	9 / 130	0%	0 / 154
Voltage Drop	7%	9 / 130	1%	1 / 154
Wastewater	7%	9 / 130	1%	2 / 154
Antenna	6%	8 / 130	0%	0 / 154
Circuit Diagrams	6%	8 / 130	0%	0 / 154
Control Engineering	6%	8 / 130	1%	1 / 154
Electrical Engineering	6%	8 / 130	10%	15 / 154
Microwaves	6%	8 / 130	0%	0 / 154
Ohm's Law	6%	8 / 130	0%	0 / 154
Printed Circuit Board	6%	8 / 130	25%	39 / 154
Satellite Communications	6%	8 / 130	0%	0 / 154
3D Modeling	5%	7 / 130	3%	5 / 154
Drawing	5%	7 / 130	0%	0 / 154
Dimensioning	5%	6 / 130	1%	1 / 154
Paneling	5%	6 / 130	2%	3 / 154
Technical Drawing	5%	6 / 130	0%	0 / 154
Electrical Substation	4%	5 / 130	3%	4 / 154
Electromechanics	4%	5 / 130	1%	2 / 154
Systems Design	4%	5 / 130	1%	2 / 154
Access Controls	3%	4 / 130	0%	0 / 154

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Algebra	3%	4 / 130	1%	2 / 154
Arithmetics	3%	4 / 130	0%	0 / 154
Automation	3%	4 / 130	5%	7 / 154
Blueprinting	3%	4 / 130	0%	0 / 154
Computer Control Systems	3%	4 / 130	1%	1 / 154
Electrical Connections	3%	4 / 130	0%	0 / 154
Electrical Equipment	3%	4 / 130	1%	2 / 154
Electronics	3%	4 / 130	18%	27 / 154
Elevation	3%	4 / 130	4%	6 / 154

## Top Common Skills



## Top Common Skills

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Communications	23%	30 / 130	5%	7 / 154
Microsoft Excel	20%	26 / 130	20%	31 / 154
Microsoft PowerPoint	17%	22 / 130	11%	17 / 154
Microsoft Office	16%	21 / 130	17%	26 / 154
Computer Literacy	8%	10 / 130	1%	2 / 154
Operations	7%	9 / 130	6%	10 / 154
Leadership Ethics	6%	8 / 130	2%	3 / 154
Verbal Communication Skills	6%	8 / 130	0%	0 / 154
Microsoft Outlook	5%	7 / 130	3%	5 / 154
Management	5%	6 / 130	32%	50 / 154
Driving	4%	5 / 130	1%	1 / 154
Innovation	4%	5 / 130	1%	1 / 154
Mathematics	4%	5 / 130	2%	3 / 154
Research	4%	5 / 130	12%	18 / 154
Web Conferencing	2%	3 / 130	0%	0 / 154

Skill	Frequency in Postings	Postings with Skill / Total Postings	Frequency in Profiles	Profiles with Skill / Total Profiles (2016 - 2018)
Reliability	2%	2 / 130	1%	1 / 154
Construction	1%	1 / 130	18%	27 / 154
Editing	1%	1 / 130	4%	6 / 154

## Top Qualifications

No Top Qualifications data for your selection.

# Appendix A - Data Sources and Calculations

## Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

## CareerBuilder/Emsi Job Postings

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

## Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

## Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

## State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department